



AC INFINITY

AXIAL SERIES

PROJECT COOLING FANS

USER MANUAL

WELCOME

Thank you for choosing AC Infinity. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to [contact](#) us. Visit www.acinfinity.com and click contact for our contact information.

EMAIL

support@acinfinity.com

WEB

www.acinfinity.com

LOCATION

Los Angeles, CA

MANUAL CODE AF2006X1

PRODUCT	MODEL	UPC-A
AXIAL 8025	HS8025A-X	854759004259
AXIAL 8038	LS8038A-X	854759004273
AXIAL 9225	HS9225A-X	854759004228
AXIAL 9238	HS9238A-X	854759004266
AXIAL 1225	LS1225A-X	854759004211
AXIAL 1238	HS1238A-X	854759004181
AXIAL 1751	HS1751A-X	854759004303
AXIAL 2589	HS2589A-X	819137020894
AXIAL 2060	HS2060A-X	819137021402
AXIAL S1225	AI-120SCX	854759004129
AXIAL S1225D	AI-120SCXD	854759004150
AXIAL S1238	AI-1238SCX	819137020078
AXIAL S1238D	AI-1238SCXD	819137020085
AXIAL LS1238	LS1238A-X	819137020542

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FAN SPECIFICATIONS

CASE SIZE

Square axial fans come in the standard sizes set by the industry. They are commonly quoted with millimeters in the format length time height times width. A case size measuring 120 mm tall, 120 mm long, and 38 mm wide may be quoted as 120 x 120 x 38 mm.

CURRENT AND VOLTAGE

Fans designed to be powered by alternating current are known as AC fans. They are available in two voltage ranges, 100 to 125V, and 200 to 240V. A fan rated between 100 to 125V can be powered by household outlets in the US, which run at around 120V AC.

CONNECTORS

AC fans usually have terminal or wires as its power connector, located on the edges of its case. Terminals are two metal prongs which can be attached to a cord such as a power plug. Wire connectors, also known as leads are directly wired to the power source.

SPEED

Some applications demand a high airflow while others require minimal noise. To meet these requirements, fans are available in different speeds rated in RPM or rotations per minute. Given the same fan size, a higher RPM is correlated with higher airflow and noise.

BEARINGS

Axial fans are available with different types of bearings that can affect its life expectancy and mounting position. Dual ball bearings have the longest life and allows the fan to be mounted in any direction. Sleeve bearings have a low cost but short life expectancy.

KEY FEATURES

ALUMINUM HOUSING

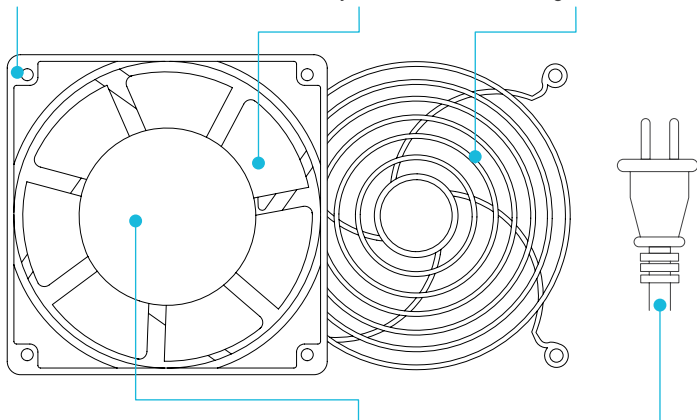
A heavy-duty construction allows the fan to be used in harsh environments and withstand shock.

THERMOPLASTIC PBT

Materials used in the blade and impeller meet UL 94 standards for resistance to flammability.

METAL FAN GUARD

Premium steel fan guards with a black powder-coated finish to shield foreign objects and fingers from the fan blades.



MOTOR PROTECTION

Impedance-protected motors have windings that have a higher resistance to heat during a rotor lock.

DUAL BALL BEARINGS

Long life bearings rated at 67,000 hours. Also allows the fan to be mounted in any direction.

AC VOLTAGE

Rated between 100 to 125V AC, the fan can be powered directly by a US household outlet without an adapter.

PRODUCT CONTENTS

AXIAL 8025 HS8025A-X

AXIAL 2060 HS2060A-X

AXIAL 2589 HS2589A-X

AXIAL 9225 HS9225A-X

AXIAL 9238 HS9238A-X

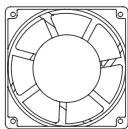
AXIAL LS1238 LS1238A-X

AXIAL 9225 LS1225A-X

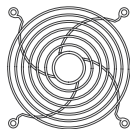
AXIAL 9238 HS1238A-X

AXIAL 8038 HS8038A-X

AXIAL 1751 HS1751A-X



AXIAL FAN (x1)



FAN GUARDS (x2)



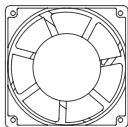
SCREWS (x4)



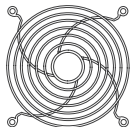
POWER CORD (x1)

AXIAL S1225 AI-120SCX

AXIAL S1238 AI-1238SCX



AXIAL FAN (x1)



FAN GUARDS (x2)



SCREWS (x4)



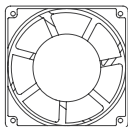
HINGE (x1)



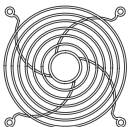
SPEED CONTROLLER (x1)

AXIAL S1225D AI-120SCXD

AXIAL S1238D AI-1238SCXD



AXIAL FAN (x2)



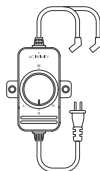
FAN GUARDS (x4)



SCREWS (x8)



HINGE (x2)

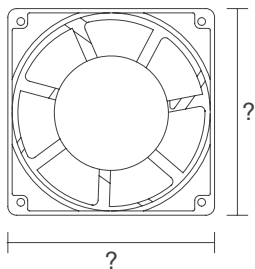


SPEED CONTROLLER (x1)

FAN REPLACEMENT

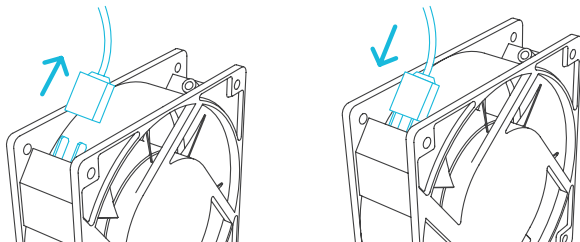
STEP 1 - COMPATIBILITY

Before you begin, please make sure that your new fan has a case size and voltage range that is compatible with the previous fan. Please turnoff any power going into your old fan.



STEP 2 - PREVIOUS FAN HAS TERMINAL CONNECTORS

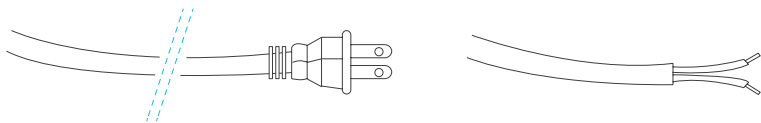
If the fan you are trying to replace has terminal connectors, detach its power connector from the terminals by pulling it off the fan. If the connectors cannot be pulled off, please see page 10 for more information on previous fan that has wired connectors. Mount the new fan into position using the previous fan's hardware. Then attach the power connectors onto the terminals of your new fan. Turn the power back on and your new fan should begin to run.



FAN REPLACEMENT

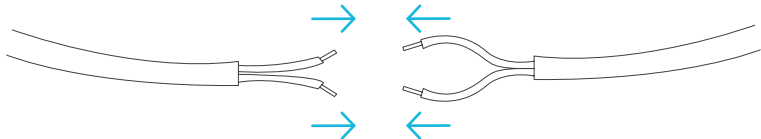
STEP 2 - PREVIOUS FAN HAS WIRED CONNECTORS

If the fan you are trying to replace has permanent wires connected to the power source that can't be removed by pulling on it, cut the wire to remove the previous fan. Then take the power plug cord included in this kit and remove the head with a wire stripper. Under the cords plastic should be two identical wires with their tips exposed.



STEP 3 - WIRING (LEADS)

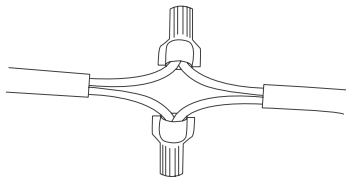
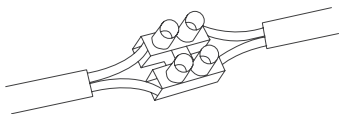
The previous power source should have a set of two wires. Connect one wire from the plug cord to one wire on the power source, then repeat for the second pair.



FAN REPLACEMENT

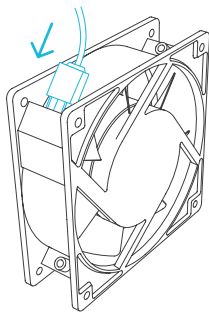
STEP 4 - CONNECTING

You can connect the two wire pairs by using a connect or block or electrical tape and wire connectors. Exposed wires and terminals can be hazardous when the fan is powered.



STEP 5 - TERMINALS

Mount the new fan into position using the previous fan's hardware. Then attach the power cord's connectors onto the terminals of your new fan.

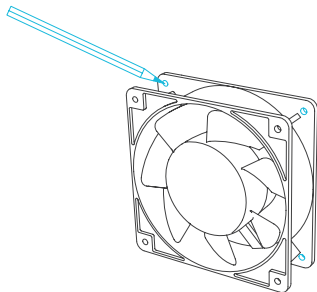


MOUNTING

Please see page 14 for Hinge Mounting Instructions for Speed Control Fan Kits.

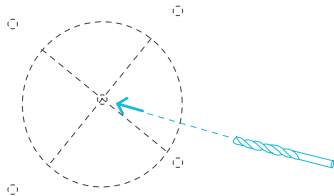
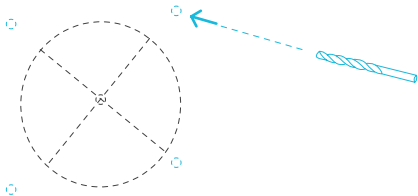
STEP 1 - MARKING

Use the fan to determine the exact position where you wish to mount it. Outline the center circle and four outer screw holes with a pencil.



STEP 2 - DRILLING

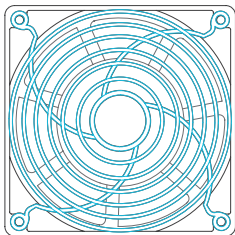
Attach a hole saw onto the power drill, create the center hole as outlined by your markings from the previous step. The hole saw size is dependent on the fan's case size. Using a power drill, create four screw holes as outlined by your markings from the previous step. We recommend using a drill bit size from 10/64" to 14/64".



MOUNTING

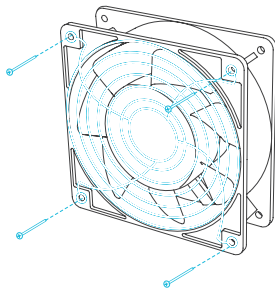
STEP 3 - POSITIONING

Position the fan against the hole just created. Place a wire guard over the fan's side and another guard on the opposite end while keeping the screw holes aligned.



STEP 4 - MOUNTING

Mount the unit using four machine screws while holding each corresponding nut in place. Use a screwdriver to finish tightening the unit securely. Please see page 15 on instructions on powering the fan.

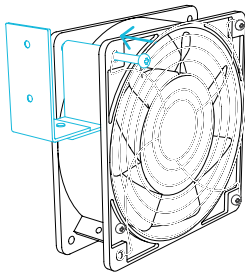


MOUNTING

Hinges are only included with Speed Control Fan Kits: S1225, S1225D, S1238, and S1238D.

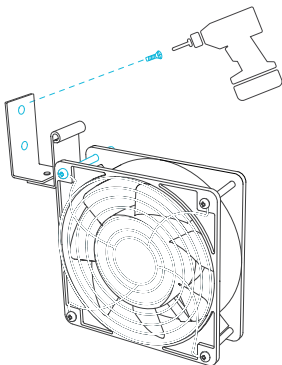
STEP 1 - ATTACHING HINGE

To attach the hinge that is included in the kit, slide the screw through the front end of the fan and the hinge as shown. Tighten the screw appropriately.



STEP 2 - MOUNTING HINGE

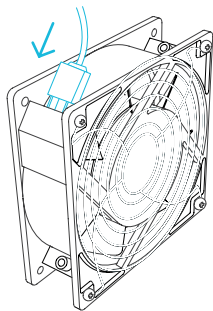
To mount the hinge on to your setup, use the included wood screw to drill into position. You may need to turn the hinge to its side to create a clear pathway to mount the wood screws through the hinge and onto a surface. Please see page 15 on instructions on powering the fan.



POWERING

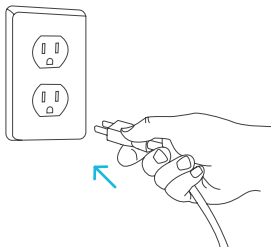
STEP 1 - TERMINAL

After mounting your fan you can then attach the power plug cord onto the fans terminal.



STEP 2 - POWERING

Lastly, plug the cord's head into a standard outlet. You may also power the fan with a wired power source, please see page 10 and 11.



SPEED CONTROLLER

Only included with models S1225, S1238, S1225d, and S1238D

LIGHT INDICATOR

When the light is lit up then the speed controller is turned on and is receiving power. When the light is off then so is the controller and fan.

ON

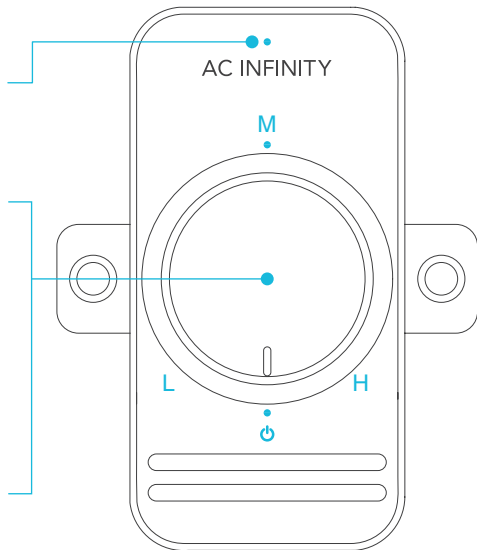
To turn on the fan, turn clockwise until you feel a click and then keep turning until the fan is at full power.

OFF

To completely shut off the fan, keep turning the knob counter-clockwise until you feel a click.

SPEED CONTROL

To adjust the fan's speed, first turn the knob clockwise and the fan speed will increase gradually from low to high. Then slowly turn it counter-clockwise to lower the speed or to turn off the fan.

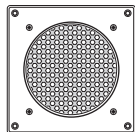


* Controller is sold separately, only included with AXIAL S1225, S1225D, S1238 and S1238D.

AC INFINITY PRODUCTS

AIRPLATE SERIES

The AIRPLATE series is designed to cool home theater and audio video cabinets. The fans are powered by USB port or power outlets. Includes an inline speed controller and Boost Speed Adapter. The fans can also be temperature controlled with an Advance Thermal Controller (sold separately).



PRODUCT

AIRPLATE S1
AIRPLATE S3
AIRPLATE S5
AIRPLATE S7
AIRPLATE S9

MODEL

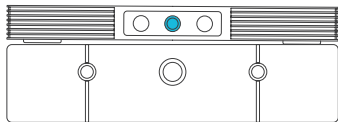
AI-CFS80BA
AI-CFS120BA
AI-CFD80BA
AI-CFD120BA
AI-APS9

DIMENSIONS

4.6 x 4.6 x 1.3 in.
6.3 x 6.3 x 1.3 in.
8.4 x 4.4 x 1.3 in.
11.7 x 6.1 x 1.3 in.
17.5 x 6.1 x 1.3 in.

AIRCOM SERIES

The AIRCOM component fan system cools receivers, amplifiers, and other AV components. S-Series models feature a thermal trigger and speed control. T-Series features a LCD digital display with thermal and speed control, alarm alerts, failure triggers, and backup memory.



PRODUCT

AIRCOM S6
AIRCOM S7
AIRCOM S8
AIRCOM S9
AIRCOM T8
AIRCOM T9

MODEL

AI-ACS6
AI-ACS7
AI-ACS8
AI-ACS9
AI-ACT8
AI-ACT9

DIMENSIONS

11.6 x 6.3 x 1.5 in.
11.6 x 6.3 x 1.5 in.
17 x 13.5 x 1.5 in.
17 x 13.5 x 1.5 in.
17 x 13.5 x 1.5 in.
17 x 13.5 x 1.5 in.

WARRANTY

This warranty program is our commitment to you, the product sold by AC Infinity will be free from defects in manufacturing for a period of two years from the date of purchase. If a product is found to have a defect in material or workmanship, we will take the appropriate actions defined in this warranty to resolve any issues.

The warranty program applies to any order, purchase, receipt, or use of any products sold by AC Infinity or our authorized dealerships. The program covers products that have become defective, malfunctioned, or expressively if the product becomes unusable. The warranty program goes into effect on the date of purchase. The program will expire two years from the date of purchase. If your product becomes defective during that period, AC Infinity will replace your product with a new one or issue you a full refund.

The warranty program does not cover abuse or misuse. This includes physical damage, submersion of the product in water, incorrect installation such as wrong voltage input, and misuse for any reason other than intended purposes. AC Infinity is not responsible for consequential loss or incidental damages of any nature caused by the product. We will not warrant damage from normal wear such as scratches and dings.

To initiate a product warranty claim, please contact our customer service team at support@acinfinity.com



If you run into any issues with this product, contact us and we'll happily issue a replacement or a full refund!

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